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 R¹⁵ Standard:
 Reactions Mix 1



Redox -- $A + BC \rightarrow AC + B$
 Solubility -- $AB + CD \rightarrow AD + CB$
 Composition -- $A + B \rightarrow AB$
 Decomposition -- $AB \rightarrow A + B$
 Neutralization -- Acid + base \rightarrow Salt + HOH
 Combustion -- $C_xH_y + O_2 \rightarrow H_2O + CO_2$

*For Decomposition reactions decompose to elements.

Complete and balance	Reaction Type
1. $2 H_2 + O_2 \rightarrow 2 H_2O$	Synthesis
2. Acetic acid + NaOH \rightarrow $HC_2H_3O_2 + NaOH \rightarrow NaC_2H_3O_2 + HOH$	Neutralization
3. $H_2Cr_2O_7 + K_2CO_3 \rightarrow H_2CO_3 + K_2Cr_2O_7$	Solubility
4. $Zn + S \rightarrow ZnS$	Synthesis
5. $Al + AgNO_3 \rightarrow Al(NO_3)_3 + Ag$	Redox
6. $2 NH_3 \rightarrow N_2 + 3 H_2$	Decomposition
7. $H_2CO_3 + MgCl_2 \rightarrow MgCO_3 + HCl$	Solubility
8. $K + H_2O_2 \rightarrow K_2O + H_2$	Redox
9. $Fe + O_2 \rightarrow FeO$ or Fe_2O_3	Synthesis + Redox
10. $NaCl \rightarrow Na + Cl_2$	Decomposition + Redox
11. $Ba + Sn(NO_3)_2 \rightarrow Ba(NO_3)_2 + Sn$	Redox
12. $2 NI_3 \rightarrow N_2 + 3 I_2$	decomposition
13. Potassium cyanide + Sulfuric acid \rightarrow $KCN + H_2SO_4 \rightarrow K_2SO_4 + HCN$	NO Rxn
14. $NaCl + F_2 \rightarrow NaF + Cl_2$	Redox